

**What Is Claimed Is:**

1. A label sheet for duplex printing which comprises at least one face sheet with two opposing printable sides, an adhesive layer bonded to the face sheet and at least one release liner removably adhered to the adhesive,

said label sheet having at least one removably adhered label defined by a die cut through the face sheet to the adhesive around the perimeter of the label and at least one tie tying the label to another area on the face sheet, wherein duplex printing comprises printing on opposing sides of the label sheet by passing the label sheet through the rollers, toner and fuser assembly of a printer twice.

2. A label sheet of claim 1, wherein at least one label is provided with at least one tie on a leading edge of the label and at least one tie on a trailing edge of the label, the leading and trailing edges being defined by the direction the label sheet would pass through a printer.

3. A label sheet of claim 2, wherein at least one label has multiple ties on the leading and trailing edges, evenly spaced from one another.

4. A label sheet of claim 2, wherein at least one tie positioned on the leading edge and at least one tie positioned on the trailing edge of at least one label correspond to where the drive rollers of the duplex printer contact the sheet.

5. A label sheet of claim 1, wherein the tie(s) are defined by portions around the perimeter of the label which are not die cut.

6. A label sheet of claim 1, wherein the label sheet comprises two face sheets and two adhesive layers, one each on each side of the release liner.

7. A label sheet of claim 6, which comprises at least one label on each side of the sheet.

8. A label sheet of claim 1, wherein the label sheet comprises multiple labels on at least one face sheet and each label is provided with at least one tie to another label, to an edge of the face sheet around its perimeter and/or to a matrix of the face sheet separating the labels from one another.

9. A label sheet of claim 1, wherein the adhesive layer is comprised of an adhesive which softens at temperatures to which it is subject during duplex printing with fusion of the toner by heating.

10. A label sheet of claim 9, wherein the adhesive softens at a temperature from 400 to 500°F.

11. A method for duplex printing a label sheet which comprises feeding a label sheet according to claim 1 through a duplex printer where the duplex printer includes an operation where the label sheet is turned over a roller at an acute angle.

12. A method of claim 11, which includes an operation where the label sheet is subject to heating to fuse toner to the sheet.

13. A method of claim 12, wherein the heating is at 400 to 500°F.

14. A method of claim 11, wherein the labels on the label sheet are provided with ties where driver rollers of the duplex printer contact the sheet.

15. A method of claim 11, wherein the labels of the label sheet are provided with at least one tie on a leading edge of the label and at least one tie on a trailing edge of the label, the leading and trailing edges being defined by the direction the label sheet would pass through the printer.

16. A method of claim 15, wherein the labels have multiple ties on the leading and trailing edges, evenly spaced from one another.

17. (NEW) A method of claim 11, wherein at least one label of the label sheet is provided with at least one tie on a leading edge of said label, the leading edge being defined by the direction the label sheet would pass through the printer.

18. (NEW) A method of claim 11, wherein the labels of the label sheet are provided with at least one tie on a trailing edge of a label, the trailing edge being defined by the direction the label sheet would pass through the printer.

19. (NEW) A label sheet of claim 1, wherein each label is provided with at least one tie on the leading edge of the label, the leading edge being defined by the direction the label sheet would pass through a printer.

20. (NEW) A label sheet of claim 19, wherein each label has multiple ties on the leading edge of the label, evenly spaced from one another.

21. (NEW) A label sheet of claim 19, wherein the label sheet comprises multiple labels on the face sheet and each label is provided with at least one tie on the leading edge.

22. (NEW) A label sheet of claim 19, wherein a tie is provided on the leading edge of at least one label so as to correspond to where the drive rollers of the duplex printer contact the sheet.

23. (NEW) A label sheet of claim 1, wherein each label is provided with at least one tie on the trailing edge of the label, the trailing edge being defined by the direction the label sheet would pass through a printer.

24. (NEW) A label sheet of claim 23, wherein each label has multiple ties on the trailing edge, evenly spaced from one another.

25. (NEW) A label sheet of claim 23, wherein the label sheet comprises multiple labels on the face sheet and each label is provided with at least one tie on the trailing edge.

26. (NEW) A label sheet of claim 19, wherein a tie is provided on the trailing edge of at least one label so as to correspond to where the drive rollers of the duplex printer contact the sheet.

27. (NEW) A label sheet for duplex printing which comprises a face sheet with two opposing printable sides, an adhesive layer bonded to the face sheet and a release liner removably adhered to the adhesive,

said label sheet having one or more removably adhered labels defined by a die cut through the face sheet to the adhesive around the perimeter of said label,

wherein one or more of said labels has at least one tie defined by a portion of the perimeter of said label which is not die cut,

wherein at least one tie for a label is positioned on the leading or trailing edge of said label so as to correspond to where the drive rollers of the duplex printer contact said label sheet, the leading or trailing edge being defined by the direction the label sheet would pass through a printer.

28. A label sheet of claim 27, wherein each label is provided with at least one tie on a leading edge of the label and at least one tie on a trailing edge of the label, the leading and trailing edges being defined by the direction the label sheet would pass through a printer.

29. (NEW) A label sheet of claim 28, wherein the label sheet comprises multiple labels on the face sheet and each label is provided with a tie on the leading edge which corresponds to where the drive rollers of the duplex printer contact said label sheet and a tie on the trailing edge which corresponds to where the drive rollers of the duplex printer contact said label sheet, the leading and trailing edge being defined by the direction the label sheet would pass through a printer.

30. (NEW) A label sheet of claim 27, wherein each label is provided with at least one tie on the leading edge of the label, the leading edge being defined by the direction the label sheet would pass through a printer.

31. (NEW) A label sheet of claim 30, wherein each label has multiple ties on the leading edge of the label, evenly spaced from one another.

32. (NEW) A label sheet of claim 30, wherein the label sheet comprises multiple labels on the face sheet and each label is provided with at least one tie on the leading edge which corresponds to where the drive rollers of the duplex printer contact the sheet.

33. (NEW) A label sheet of claim 27, wherein each label is provided with at least one tie on the trailing edge of the label, the trailing edge being defined by the direction the label sheet would pass through a printer.

34. (NEW) A label sheet of claim 33, wherein each label has multiple ties on the trailing edge, evenly spaced from one another.

35. (NEW) A label sheet of claim 33, wherein the label sheet comprises multiple labels on the face sheet and each label is provided with at least one tie on the trailing edge which corresponds to where the drive rollers of the duplex printer contact the sheet.

36. (NEW) A label sheet for duplex printing which comprises a face sheet with two opposing printable sides, an adhesive layer bonded to the face sheet and a release liner removably adhered to the adhesive,

said label sheet having more than two removably adhered labels defined by a die cut through the face sheet to the adhesive around the perimeter of said label,

wherein each of said labels has at least one tie defined by a portion of the perimeter of said label which is not die cut.

37. A label sheet of claim 36, wherein each label is provided with at least one tie on a leading edge of the label and at least one tie on a trailing edge of the label, the leading and trailing edges being defined by the direction the label sheet would pass through a printer.

38. (NEW) A label sheet of claim 37, wherein each label is provided with a tie on the leading edge which corresponds to where the drive rollers of the duplex printer contact said label sheet and a tie on the trailing edge which corresponds to where the drive rollers of the duplex printer contact said label sheet, the leading and trailing edge being defined by the direction the label sheet would pass through a printer.

39. (NEW) A label sheet of claim 36, wherein each label is provided with at least one tie on the leading edge of the label, the leading edge being defined by the direction the label sheet would pass through a printer.

40. (NEW) A label sheet of claim 39, wherein each label has multiple ties on the leading edge of the label, evenly spaced from one another.

41. (NEW) A label sheet of claim 39, wherein at least one tie on the leading edge corresponds to where the drive rollers of the duplex printer contact the sheet.

42. (NEW) A label sheet of claim 36, wherein each label is provided with at least one tie on the trailing edge of the label, the trailing edge being defined by the direction the label sheet would pass through a printer.

43. (NEW) A label sheet of claim 42, wherein each label has multiple ties on the trailing edge, evenly spaced from one another.

44. (NEW) A label sheet of claim 42, wherein at least one tie on the trailing edge corresponds to where the drive rollers of the duplex printer contact the sheet.

45. A label sheet of claim 36, wherein the label sheet comprises a feed strip and at least two labels have at least one tie to said feed strip.

46. A label sheet of claim 36, wherein the label is defined by a die cut through the face sheet to the adhesive around the perimeter of the label and the tie(s) are defined by portions around the perimeter of the label of a length less than 1 mm which are not die cut.

47. (NEW) A label sheet for duplex printing which comprises a face sheet with two opposing printable sides, an adhesive layer bonded to the face sheet and a release liner removably adhered to the adhesive,

said label sheet having more than three removably adhered labels defined by a die cut through the face sheet to the adhesive around the perimeter of said label,

wherein each of said labels has at least two ties defined by a portion of the perimeter of said label which is not die cut, each tie having a length less than 1 mm,

wherein each label has at least one tie positioned so as to correspond to where the drive rollers of the duplex printer contact said label sheet.

48. A label sheet of claim 47, wherein each label is provided with at least one tie on a leading edge of the label and at least one tie on a trailing edge of the label, the leading and trailing edges being defined by the direction the label sheet would pass through a printer.

49. (NEW) A label sheet of claim 48, wherein each label is provided with a tie on the leading edge which corresponds to where the drive rollers of the duplex printer contact said label sheet and a tie on the trailing edge which corresponds to where the drive rollers of the duplex printer contact said label sheet, the leading and trailing edge being defined by the direction the label sheet would pass through a printer.

50. (NEW) A label sheet of claim 47, wherein each label is provided with at least one tie on the leading edge of the label, the leading edge being defined by the direction the label sheet would pass through a printer.

51. (NEW) A label sheet of claim 50, wherein at least one tie on the leading edge of each label corresponds to where the drive rollers of the duplex printer contact the sheet.

52. (NEW) A label sheet of claim 47, wherein each label is provided with at least one tie on the trailing edge of the label, the trailing edge being defined by the direction the label sheet would pass through a printer.

53. (NEW) A label sheet of claim 52, wherein at least one tie on the trailing edge of each label corresponds to where the drive rollers of the duplex printer contact the sheet.

54. (NEW) A label sheet of claim 47, which additionally comprises a feed strip and at least two labels have at least one tie to said feed strip.